

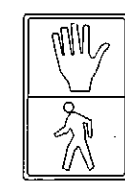
MD 410 IS ASSUMED TO RUN
IN AN EAST/WEST DIRECTION

EXISTING EQUIPMENT

1, 2, 3
4, 6, 7
R
Y
G
12"

5
R
Y
G
8"

EXISTING EQUIPMENT TO BE REMOVED

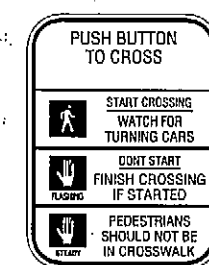


12"

EXISTING SIGNS

12a, 12b
Rosemary Hills Dr
13

EXISTING SIGNS TO BE REMOVED



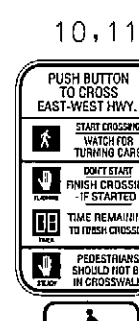
PROPOSED EQUIPMENT

8, 9



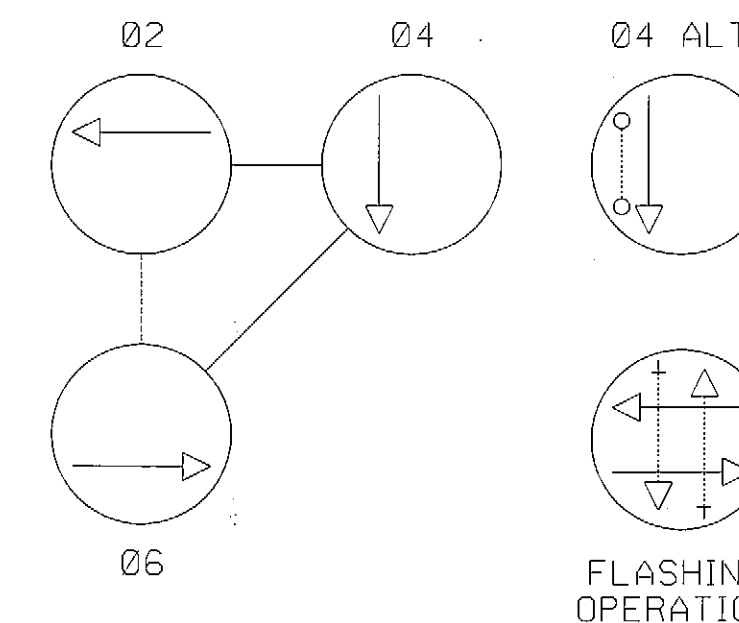
16" LED
COUNTDOWN
PEDESTRIAN
SIGNAL

PROPOSED SIGNS



R10-3(1)
9" x 15"

NEMA PHASING



NOTES:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

TO WASHINGTON AVE

RIGHT OF WAY LINE

MD 410 (EAST-WEST HWY)

ROSEMARY HILLS DR

RIGHT OF WAY LINE

MD 410 (EAST-WEST HWY)

RIGHT OF WAY LINE

TO MD 390

CONSTRUCTION DETAILS:

- INSTALL 10' PEDESTAL POLE WITH BREAKAWAY COUPLINGS (MD 818.16-01), AND MODIFIED BASE, COUNTDOWN PEDESTRIAN SIGNALS, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- INSTALL HANDHOLE.
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSS WALK.
- USE EXISTING CABINET.
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- REMOVE EXISTING POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. REMOVE EXISTING PEDESTRIAN SIGNALS AND SIGNS ON THE POLE.
- CAP AND ABANDON EXISTING CONDUIT.
- REMOVE EXISTING PAVEMENT MARKING.
- USE EXISTING SPLICE CABINET AND INSTALL NEW 12-PAIR INTERCONNECT CABLE TO CONTROLLER UTILIZING NEW CONDUIT RUN.
- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED, PROVIDE CONDUIT BEND AT THE BASE OF THE UTILITY POLE AND CONNECT TO THE EXISTING CONDUIT.
- REMOVE EXISTING CROSS HATCHING IN EXISTING CROSSWALK.

GENERAL NOTES:

- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.

GEOMETRIC LEGEND

----- EXISTING
===== PROPOSED

UTILITY LEGEND

SD SD STORM DRAIN
G G GAS MAIN
W W WATER MAIN
S S SEWER MAIN
E E ELECTRIC CABLES
A A AERIAL CABLES
T T TELEPHONE CABLES
F F FIBER-OPTIC

BY: xiaoyu



BRUDIS & ASSOCIATES, INC.
Consulting Engineers
9240 Rumsey Road, Suite C
Columbia, Maryland 21045
Phone 410-884-3007
www.brudis.com

APPROVALS	
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS	
1/10	TIMS NO. K199 SHA NO. AX7035168
TRAFFIC SIGNAL RECONSTRUCTION JRS/CPS	
X.M. 7/8/10 K.O. 7/8/10	

SIGNALIZATION PLAN SHEET			
SCALE 1" = 20'	DATE 7/8/10	CONTRACT NO. _____	
DESIGNED BY W J NIES (FOR STS)	COUNTY MONTGOMERY		
DRAWN BY R R ZACHERL (FOR STS)	LOGMILE 15041003.11		
CHECKED BY E M M	TIMS NO. K199		
F.A.P. NO. _____	TOD NO. _____		
TS NO. 3259A	DRAWING - OF	SHEET NO. 15 OF 16	

PLOTTED: Tuesday, January 12, 2010 AT 01:32 PM
FILE: P:\09-002 TEDD\Task 16 MD 410 Traffic Signals\Drawings\CADD\Working\RosemaryHills\pSG-P001_MD410@RosemaryHillsDr.dgn